

ABSTRACT OF THE DISCLOSURE

An ink jet printer apparatus and method includes a print head having at least one nozzle. In response to a signal related to media type that is to be recorded upon, gray level image data relating to at least three different drop volumes including no ink drop are recorded at different pixel locations to form dots of different dot size or dot density on the recording medium. In recording image data of the same multitone image data value on different media, drop volumes deposited on one medium by the nozzle are different than drop volumes deposited on another medium by that nozzle. In some embodiments or printing modes image data is also recorded by depositing a variable size dot on a reference raster location and a supplementary dot at an adjacent pixel location on a shifted raster.